

B112

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 August 2001 (02.08.2001)

PCT

(10) International Publication Number
WO 01/54477 A2

(51) International Patent Classification: Not classified

(21) International Application Number: PCT/US01/02687

(22) International Filing Date: 25 January 2001 (25.01.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

09/491,404	25 January 2000 (25.01.2000)	US
09/617,746	17 July 2000 (17.07.2000)	US
09/631,451	3 August 2000 (03.08.2000)	US
09/663,870	15 September 2000 (15.09.2000)	US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

US	09/491,404 (CIP)
Filed on	25 January 2000 (25.01.2000)
US	09/617,746 (CIP)
Filed on	17 July 2000 (17.07.2000)
US	09/631,451 (CIP)
Filed on	3 August 2000 (03.08.2000)
US	09/663,870 (CIP)
Filed on	15 September 2000 (15.09.2000)

(71) Applicant (for all designated States except US): HYSEQ, INC. [US/US]; 670 Almanor Avenue, Sunnyvale, CA 94086 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TANG, Y., Tom [US/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). LIU, Chenghua [CN/US]; 1125 Ranchero Way #14, San Jose, CA 95117 (US). ZHOU, Ping [CN/US]; 1461 Japaur Lane, San Jose, CA 95132 (US). QIAN, Xiaohong, B. [CN/US]; 3662 Tumble Way, San Jose, CA 95132 (US). WANG, Zhiwei [CN/US]; 836 Alturas Avenue #B36,

Sunnyvale, CA 94085 (US). CHEN, Rui-Hong [US/US]; 1031 Flying Fish Street, Foster City, CA 94404 (US). ASUNDI, Vinod [US/US]; 709 Foster City Boulevard, Foster City, CA 94404 (US). CAO, Yicheng [CN/US]; 260 North Mathilda Avenue, Sunnyvale, CA 95086 (US). DRMANAC, Radoje, A. [YU/US]; 850 East Greenwich Place, Palo Alto, CA 94303 (US). ZHANG, Jie [CN/US]; 20800 Homestead Road #38B, Cupertino, CA 95014 (US). WERHMAN, Tom [US/US]; 300 Pasteur Drive, Edwards, R314, Stanford University Medical Center, Stanford, CA 94035 (US).

(74) Agent: ELRIFI, Ivor, R.; Mintz, Levin, Cohn, Ferris, Glovsky and Popco, P.C., One Financial Center, Boston, MA 02111 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— with declaration under Article 17(2)(a); without classification and without abstract; title not checked by the International Searching Authority

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/54477 A2

(54) Title: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

(57) Abstract: